



## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

10/797,333

Source

IFWO

Date Processed by STIC:

3/22/04

**THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.**

**PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:**

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221

Effective 12/1/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS.

<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom. Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses.

1. EFS-Bio (<<http://www.uspto.gov/efb/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):  
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03

# Raw Sequence Listing Error Summary

## ERROR DETECTED

## SUGGESTED CORRECTION

SERIAL NUMBER: 10797,333

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics  
Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 Misaligned Amino  
Numbering The numbering under each 5<sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 Variable Length Sequence(s) \_\_\_\_\_ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 PatentIn 2.0  
"bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) \_\_\_\_\_. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 Skipped Sequences  
(OLD RULES) Sequence(s) \_\_\_\_\_ missing. If intentional, please insert the following lines for each skipped sequence:  
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)  
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
This sequence is intentionally skipped  
  
Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 Skipped Sequences  
(NEW RULES) Sequence(s) \_\_\_\_\_ missing. If intentional, please insert the following lines for each skipped sequence.  
<210> sequence id number  
<400> sequence id number  
000
- 9 Use of n's or Xaa's  
(NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.  
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.  
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10 Invalid <213>  
Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11 Use of <220> Sequence(s) \_\_\_\_\_ missing the <220> "Feature" and associated numeric identifiers and responses.  
Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.  
(See "Federal Register," 0001/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 PatentIn 2.0  
"bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 Misuse of n/Xaa "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid



IFWO

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/797,333

DATE: 03/22/2004

TIME: 09:38:36

Input Set : A:\RUBC021USSequenceListing.APP.txt

Output Set: N:\CRF4\03222004\J797333.raw

3 <110> APPLICANT: PINTER, JONATHON H.  
 4 KURIHARA, TAKAO  
 5 SLEPTSOVA, IRINA  
 6 BRUENING, ERIC EGON  
 7 ZIEHLER, WILLIAM  
 8 MAKAROV, VLADIMIR L.  
 10 <120> TITLE OF INVENTION: IN VITRO DNA IMMORTALIZATION AND WHOLE GENOME  
 11 AMPLIFICATION USING LIBRARIES GENERATED FROM RANDOMLY  
 12 FRAGMENTED DNA  
 14 <130> FILE REFERENCE: RUBC:021US  
 C--> 16 <140> CURRENT APPLICATION NUMBER: US/10/797,333  
 17 <141> CURRENT FILING DATE: 2004-03-08  
 19 <150> PRIOR APPLICATION NUMBER: 60/453,071  
 20 <151> PRIOR FILING DATE: 2003-03-07  
 22 <160> NUMBER OF SEQ ID NOS: 145  
 24 <170> SOFTWARE: PatentIn Ver. 2.1  
 26 <210> SEQ ID NO: 1  
 27 <211> LENGTH: 20  
 28 <212> TYPE: DNA  
 29 <213> ORGANISM: Artificial Sequence  
 31 <220> FEATURE:  
 32 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 33 Primer  
 35 <400> SEQUENCE: 1  
 36 gagtagaatt ctaatatcta 20  
 39 <210> SEQ ID NO: 2  
 40 <211> LENGTH: 20  
 41 <212> TYPE: DNA  
 42 <213> ORGANISM: Artificial Sequence  
 44 <220> FEATURE:  
 45 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 46 Primer  
 48 <400> SEQUENCE: 2  
 49 gagatattag aattctactc 20  
 52 <210> SEQ ID NO: 3  
 53 <211> LENGTH: 21  
 54 <212> TYPE: DNA  
 55 <213> ORGANISM: Artificial Sequence  
 57 <220> FEATURE:  
 58 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 59 Primer  
 61 <400> SEQUENCE: 3  
 62 agtgggattc cgcattgctag t 21

Does Not Comply  
 Corrected Diskette Needed  
 (Pg. 5)

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/797,333

DATE: 03/22/2004  
TIME: 09:38:36

Input Set : A:\RUBC021USSequenceListing.APP.txt  
Output Set: N:\CRF4\03222004\J797333.raw

```

65 <210> SEQ ID NO: 4
66 <211> LENGTH: 12
67 <212> TYPE: DNA
68 <213> ORGANISM: Artificial Sequence
70 <220> FEATURE:
71 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
72     Primer
74 <400> SEQUENCE: 4
75 taactagcat gc
78 <210> SEQ ID NO: 5
79 <211> LENGTH: 20
80 <212> TYPE: DNA
81 <213> ORGANISM: Artificial Sequence
83 <220> FEATURE:
84 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
85     Primer
87 <220> FEATURE:
88 <221> NAME/KEY: modified_base
89 <222> LOCATION: (14)..(17)
90 <223> OTHER INFORMATION: N = A, C, G OR T/U
92 <400> SEQUENCE: 5
W--> 93 ttgcggcgccg attnnnttc
96 <210> SEQ ID NO: 6
97 <211> LENGTH: 22
98 <212> TYPE: DNA
99 <213> ORGANISM: Artificial Sequence
101 <220> FEATURE:
102 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
103     Primer
105 <220> FEATURE:
106 <221> NAME/KEY: modified_base
107 <222> LOCATION: (11)..(16)
108 <223> OTHER INFORMATION: N = A, C, G OR T/U
110 <400> SEQUENCE: 6
W--> 111 ccgactcgac nnnnnnatgt gg
114 <210> SEQ ID NO: 7
115 <211> LENGTH: 21
116 <212> TYPE: DNA
117 <213> ORGANISM: Artificial Sequence
119 <220> FEATURE:
120 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
121     Primer
123 <220> FEATURE:
124 <221> NAME/KEY: modified_base
125 <222> LOCATION: (17)..(21)
126 <223> OTHER INFORMATION: N = A, C, G OR T/U
128 <400> SEQUENCE: 7
W--> 129 tggtagctct tgatcannnn n
132 <210> SEQ ID NO: 8

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/797,333

DATE: 03/22/2004

TIME: 09:38:36

Input Set : A:\RUBC021USSequenceListing.APP.txt

Output Set: N:\CRF4\03222004\J797333.raw

```

133 <211> LENGTH: 20
134 <212> TYPE: DNA
135 <213> ORGANISM: Artificial Sequence
137 <220> FEATURE:
138 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
139     Primer
141 <400> SEQUENCE: 8
142 agagttggta gctcttgatc                20
145 <210> SEQ ID NO: 9
146 <211> LENGTH: 28
147 <212> TYPE: DNA
148 <213> ORGANISM: Artificial Sequence
150 <220> FEATURE:
151 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
152     Primer
154 <220> FEATURE:
155 <221> NAME/KEY: modified_base
156 <222> LOCATION: (23)..(28)
157 <223> OTHER INFORMATION: N = A, C, G OR T/U.
159 <400> SEQUENCE: 9
W--> 160 gtaatacgac tcactatagg gcnnnnnn                28
163 <210> SEQ ID NO: 10
164 <211> LENGTH: 22
165 <212> TYPE: DNA
166 <213> ORGANISM: Artificial Sequence
168 <220> FEATURE:
169 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
170     Primer
172 <400> SEQUENCE: 10
173 gtaatacgac tcactatagg gc                22
176 <210> SEQ ID NO: 11
177 <211> LENGTH: 18
178 <212> TYPE: DNA
179 <213> ORGANISM: Artificial Sequence
181 <220> FEATURE:
182 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
183     Primer
185 <400> SEQUENCE: 11
186 gtaatacgac tcactata                18
189 <210> SEQ ID NO: 12
190 <211> LENGTH: 14
191 <212> TYPE: DNA
192 <213> ORGANISM: Artificial Sequence
194 <220> FEATURE:
195 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
196     Primer
198 <220> FEATURE:
199 <221> NAME/KEY: modified_base
200 <222> LOCATION: (1)..(2)

```

## RAW SEQUENCE LISTING

DATE: 03/22/2004

PATENT APPLICATION: US/10/797,333

TIME: 09:38:36

Input Set : A:\RUBC021USSequenceListing.APP.txt

Output Set: N:\CRF4\03222004\J797333.raw

```

201 <223> OTHER INFORMATION: N = A, C, G OR T/U
203 <400> SEQUENCE: 12
W--> 204 nncctatagt gagt 14
207 <210> SEQ ID NO: 13
208 <211> LENGTH: 15
209 <212> TYPE: DNA
210 <213> ORGANISM: Artificial Sequence
212 <220> FEATURE:
213 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
214 Primer
216 <220> FEATURE:
217 <221> NAME/KEY: modified_base
218 <222> LOCATION: (1)..(3)
219 <223> OTHER INFORMATION: N = A, C, G OR T/U
221 <400> SEQUENCE: 13
W--> 222 nnnccctatag tgagt 15
225 <210> SEQ ID NO: 14
226 <211> LENGTH: 11
227 <212> TYPE: DNA
228 <213> ORGANISM: Artificial Sequence
230 <220> FEATURE:
231 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
232 Primer
234 <220> FEATURE:
235 <221> NAME/KEY: modified_base
236 <222> LOCATION: (4)..(8)
237 <223> OTHER INFORMATION: N = A, C, G or T/U
239 <400> SEQUENCE: 14
W--> 240 gacnnnnngt c 11
243 <210> SEQ ID NO: 15
244 <211> LENGTH: 12
245 <212> TYPE: DNA
246 <213> ORGANISM: Artificial Sequence
248 <220> FEATURE:
249 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
250 Primer
252 <220> FEATURE:
253 <221> NAME/KEY: modified_base
254 <222> LOCATION: (1)..(12)
255 <223> OTHER INFORMATION: N = A, C, G OR T/U
257 <400> SEQUENCE: 15
W--> 258 nacnnnnngta cn 12
261 <210> SEQ ID NO: 16
262 <211> LENGTH: 12
263 <212> TYPE: DNA
264 <213> ORGANISM: Artificial Sequence
266 <220> FEATURE:
267 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
268 Primer

```

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/797,333

DATE: 03/22/2004  
TIME: 09:38:36

Input Set : A:\RUBC021USSequenceListing.APP.txt  
Output Set: N:\CRF4\03222004\J797333.raw

270 <220> FEATURE:  
271 <221> NAME/KEY: modified\_base  
272 <222> LOCATION: (4)..(9)  
273 <223> OTHER INFORMATION: N = A, C, G OR T/U  
275 <400> SEQUENCE: 16  
W--> 276 cgannnnnnt gc 12  
279 <210> SEQ ID NO: 17  
280 <211> LENGTH: 11  
281 <212> TYPE: DNA  
282 <213> ORGANISM: Artificial Sequence  
284 <220> FEATURE:  
285 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
286 Primer  
288 <220> FEATURE:  
289 <221> NAME/KEY: modified\_base  
290 <222> LOCATION: (4)..(8)  
291 <223> OTHER INFORMATION: N = A, C, G OR T/U  
293 <400> SEQUENCE: 17  
W--> 294 gccnnnnngg c 11  
297 <210> SEQ ID NO: 18  
298 <211> LENGTH: 10  
299 <212> TYPE: DNA  
300 <213> ORGANISM: Artificial Sequence  
302 <220> FEATURE:  
303 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
304 Primer  
306 <220> FEATURE:  
307 <221> NAME/KEY: modified\_base  
308 <222> LOCATION: (4)..(7)  
310 <400> SEQUENCE: 18  
W--> 311 gatnnnnatc 10  
314 <210> SEQ ID NO: 19  
315 <211> LENGTH: 11  
316 <212> TYPE: DNA  
317 <213> ORGANISM: Artificial Sequence  
319 <220> FEATURE:  
320 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
321 Primer  
323 <220> FEATURE:  
324 <221> NAME/KEY: modified\_base  
325 <222> LOCATION: (3)..(9)  
326 <223> OTHER INFORMATION: N = A, C, G OR T/U  
328 <400> SEQUENCE: 19  
W--> 329 ccnnnnnnng g 11  
332 <210> SEQ ID NO: 20  
333 <211> LENGTH: 11  
334 <212> TYPE: DNA  
335 <213> ORGANISM: Artificial Sequence  
337 <220> FEATURE:

please explain "N"  
locations and  
which residue  
"N" represents.

please  
see item  
# 9 on  
error  
summary  
sheet.

The type of errors shown exist throughout  
the Sequence Listing. Please check subsequent  
sequences for similar errors

**RAW SEQUENCE LISTING ERROR SUMMARY**  
**PATENT APPLICATION: US/10/797,333**DATE: 03/22/2004  
TIME: 09:38:37Input Set : A:\RUBC021USSequenceListing.APP.txt  
Output Set: N:\CRF4\03222004\J797333.raw**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:5; N Pos. 14,15,16,17 ✓  
Seq#:6; N Pos. 11,12,13,14,15,16 ✓  
Seq#:7; N Pos. 17,18,19,20,21 ✓  
Seq#:9; N Pos. 23,24,25,26,27,28 ✓  
Seq#:12; N Pos. 1,2 ✓  
Seq#:13; N Pos. 1,2,3 ✓  
Seq#:14; N Pos. 4,5,6,7,8 ✓  
Seq#:15; N Pos. 1,4,5,6,7,12 ✓  
Seq#:16; N Pos. 4,5,6,7,8,9 ✓  
Seq#:17; N Pos. 4,5,6,7,8 ✓  
Seq#:18; N Pos. 4,5,6,7 ✓  
Seq#:19; N Pos. 3,4,5,6,7,8,9 ✓  
Seq#:20; N Pos. 4,5,6,7,8  
Seq#:21; N Pos. 4,5,6,7,8,9  
Seq#:22; N Pos. 4,5,6,7,8,9  
Seq#:23; N Pos. 4,5,6,7,8  
Seq#:24; N Pos. 6,7,8,9,10  
Seq#:25; N Pos. 4,5,6,7  
Seq#:26; N Pos. 3,4,5,6,7,8,9  
Seq#:27; N Pos. 4,5,6,7,8  
Seq#:28; N Pos. 4,5,6,7  
Seq#:29; N Pos. 5,6,7,8,9  
Seq#:30; N Pos. 4,5,6,7,8,9,10,11,12  
Seq#:31; N Pos. 4,5,6,7  
Seq#:34; N Pos. 21  
Seq#:35; N Pos. 1  
Seq#:39; N Pos. 1  
Seq#:40; N Pos. 22,23  
Seq#:41; N Pos. 22  
Seq#:42; N Pos. 1,2,3,4  
Seq#:43; N Pos. 1,2,3,4,5  
Seq#:44; N Pos. 21,22  
Seq#:45; N Pos. 21,22,23  
Seq#:46; N Pos. 21,22,23,24  
Seq#:47; N Pos. 21,22,23,24,25



## VERIFICATION SUMMARY

DATE: 03/22/2004

PATENT APPLICATION: US/10/797,333

TIME: 09:38:37

Input Set : A:\RUBC021USSequenceListing.APP.txt

Output Set: N:\CRF4\03222004\J797333.raw

L:16 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:93 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0  
L:111 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0  
L:129 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0  
L:160 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0  
L:204 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0  
L:222 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0  
L:240 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0  
L:258 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0  
L:276 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0  
L:294 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0  
L:311 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0  
L:329 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0  
L:347 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0  
L:365 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0  
L:383 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0  
L:401 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0  
L:419 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0  
L:447 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0  
L:465 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0  
L:483 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:0  
L:501 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0  
L:519 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:0  
L:537 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:0  
L:555 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:0  
L:599 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:0  
L:617 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:0  
L:674 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:0  
L:692 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:0  
L:710 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:0  
L:728 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:0  
L:746 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:0  
L:764 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44 after pos.:0  
L:781 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:0  
L:799 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:0  
L:817 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47 after pos.:0